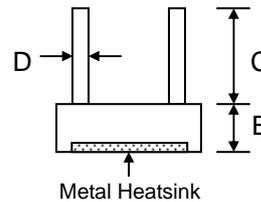
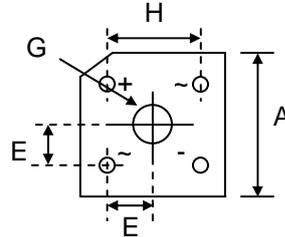


Features

- Diffused Junction
- High Current Capability
- High Case Dielectric Strength
- High Surge Current Capability
- Ideal for Printed Circuit Board Application
- Plastic Material has UL Flammability 94V-0
-  Recognized File # E157705

Mechanical Data

- Case: MP-10, Molded Plastic with Heatsink
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: Marked on Body
- Weight: 3.8 grams (approx.)
- Mounting Position: Through Hole for #6 Screw
- Mounting Torque: 10 cm·kg (8.8 in·lbs) Max.
- Marking: Type Number
- **Lead Free: For RoHS / Lead Free Version, Add “-LF” Suffix to Part Number, See Page 4**



MP-10		
Dim	Min	Max
A	14.73	15.75
B	5.80	7.10
C	19.00	—
D	1.00 Ø Typical	
E	5.11	6.14
G	Hole for #6 screw	
	3.60	4.00
H	10.30	11.30
All Dimensions in mm		

Maximum Ratings and Electrical Characteristics @_{T_A}=25°C unless otherwise specified

Single Phase, half wave, 60Hz, resistive or inductive load.
 For capacitive load, derate current by 20%.

Characteristic	Symbol	MP 1000	MP 1001	MP 1002	MP 1004	MP 1006	MP 1008	MP 1010	Unit
Peak Repetitive Reverse Voltage	V _{RRM}								
Working Peak Reverse Voltage	V _{RWM}	50	100	200	400	600	800	1000	V
DC Blocking Voltage	V _R								
RMS Reverse Voltage	V _{R(RMS)}	35	70	140	280	420	560	700	V
Average Rectified Output Current (Note 1) @ _{T_A} = 50°C	I _O	10							A
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	200							A
Forward Voltage per leg @ _{I_F} = 5.0A	V _{FM}	1.1							V
Peak Reverse Current @ _{T_A} = 25°C	I _R	5.0							μA
At Rated DC Blocking Voltage @ _{T_A} = 125°C		500							
I ² t Rating for Fusing (t<8.3ms) (Note 2)	I ² _t	64							A ² s
Typical Junction Capacitance (Note 3)	C _j	110							pF

Typical Thermal Resistance per leg (Note 1)

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